

Welcome to the Orientation of

Applied Degree in Software Engineering & Pearson BTEC Higher Nationals Diploma in Computing (Applications Development and Testing)

Please ensure that you:

- Have your video on
- Microphone muted

Orientation will begin in 10 min

Applied Degree in Software Engineering & Pearson BTEC Higher Nationals Diploma in Computing (Applications Development and Testing)

Welcome

Congratulations! You are about to start a new learning journey to attain an extra skillset in your career path to meet your goals.

Happy Learning!!

House Rules

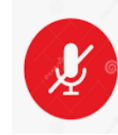
1. Kindly keep away the mobile phones and other distracting electronic gadgets



2. Always share your video



mute your mic



3. If you want to talk, raise your hand in the Webinar panel to grab the instructor's attention

4. At all times, kindly pay attention to the instructor

5. Post your questions to the host and all participants for the benefit of everyone

6. Host will address it at the end of the presentation or during the Q&A session.

Contents

- 1. Blended Learning**
- 2. Learning Journey**
- 3. Learners Roles**
- 4. Assessment Details**
- 5. Your progress**
- 6. Know Your Faculty**
- 7. Learning Management System (LMS) & Training Resources**
- 8. Miscellaneous**

Blended Learning – Lithan Way

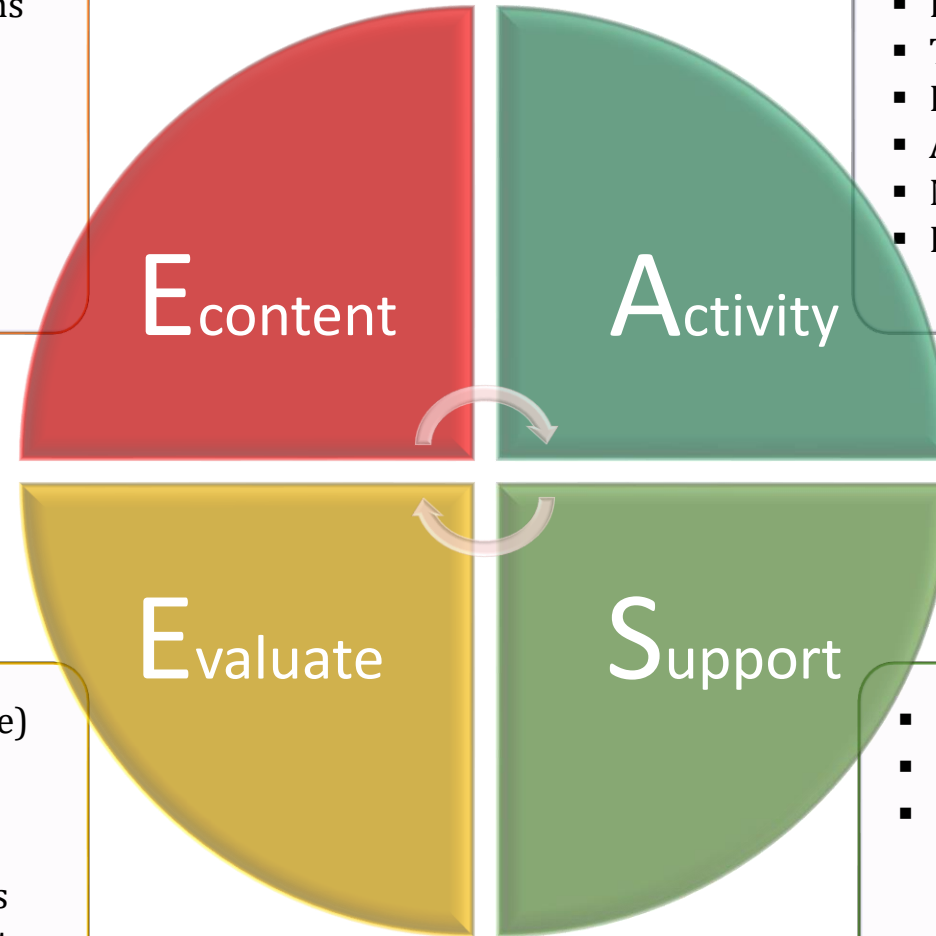


E-learning
Flipped Class
Assignment
Project Mentoring
Project Implementation
Additional Practice with Mentoring Support
Summative Assessment

EASE Blended Learning Delivery Model

F2F/ Online Synchronous

- Instructor Presentations
- AV Lectures
- Self-Assessments



F2F/ Online Synchronous

- Lectures
- Tutoring
- Flipped Class
- Assignments
- Mentoring
- Projects

Online Synchronous

- Diagnostics (Pre-course)
- Recognition of Prior Learning Assessments (Pre-course)
- Formative Assessments
- Summative Assessments

Online, Self-paced

- FAQ
- Online Queries
- Knowledge Hub

Blended Learning



A learning model facilitated by an effective combination of

E-Learning
(Videos)



Flipped
Class



Virtual
Class



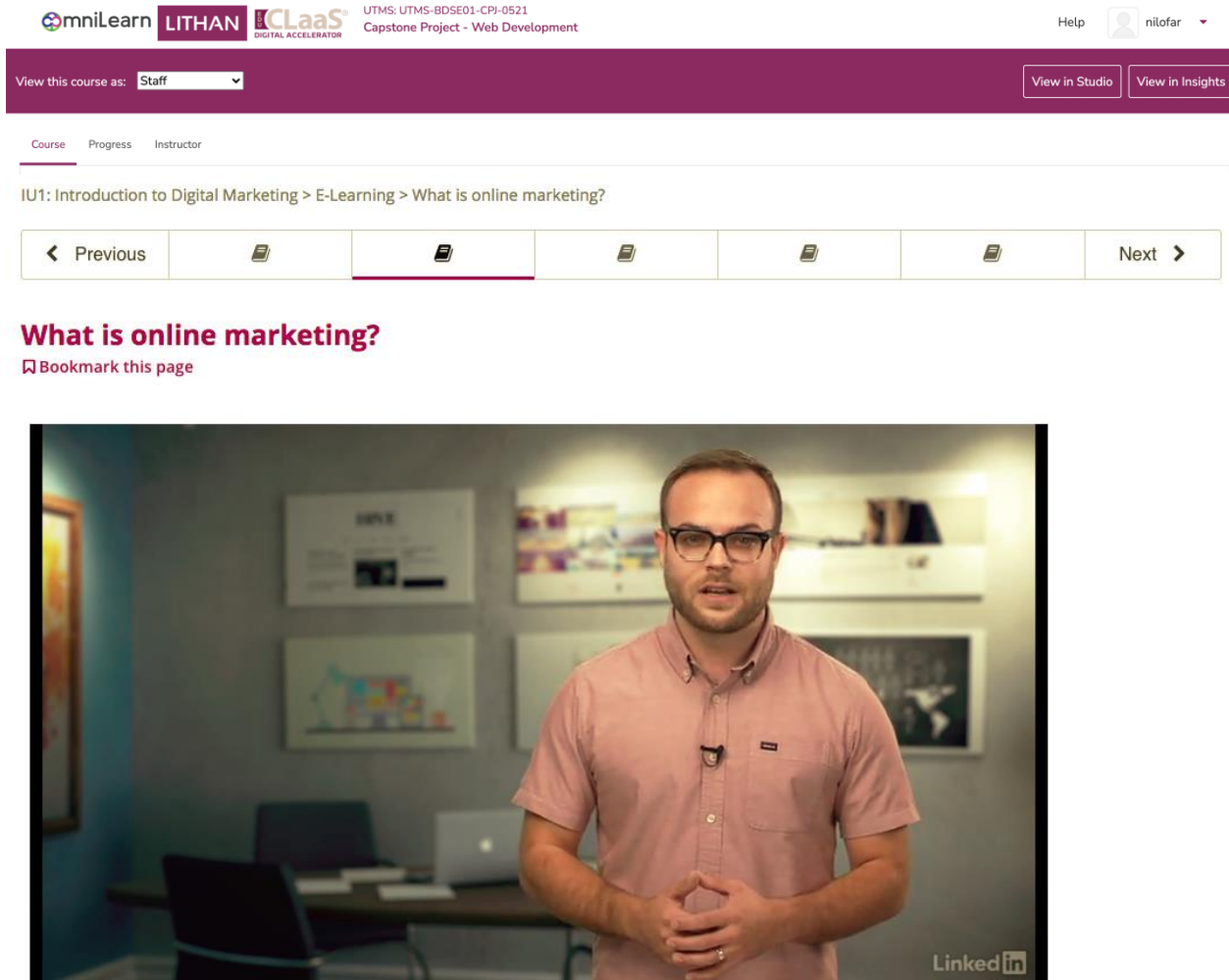
Mentoring



Assessment



E-Learning



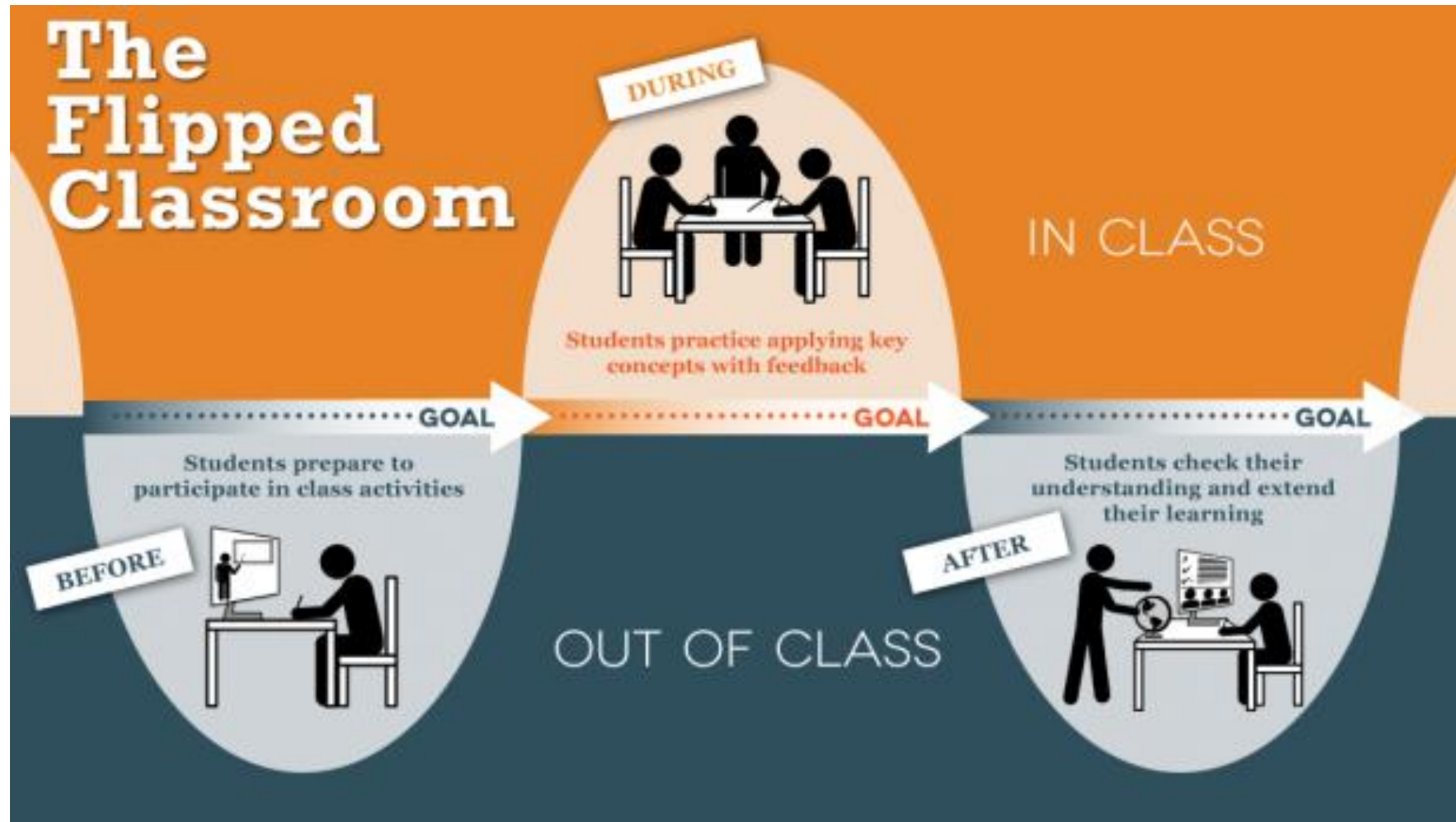
The screenshot displays the LITHAN LMS interface. At the top, there are logos for 'mnLearn', 'LITHAN', and 'CLaaS DIGITAL ACCELERATOR'. The user is logged in as 'nilofar'. The course path is 'IU1: Introduction to Digital Marketing > E-Learning > What is online marketing?'. Below the path, there are navigation buttons: '< Previous', a series of document icons, and 'Next >'. The main content area is titled 'What is online marketing?' with a 'Bookmark this page' link. A video player shows a man in a pink shirt speaking in an office setting. The LinkedIn logo is visible in the bottom right corner of the video player.

Open EDX X LinkedIn Learning (Learning management System)

courses.educlaas.com
Lithanlms.sambaash.com

- Combination of structure & freedom
- Effective Time management
- Access to Course Slides
- Premium Video Contents
- MCQ Questionnaires
- Assignment submission

Flipped Class Learning Pedagogy



Flipped Class



Face to face classroom style lessons
through Live-Streaming

Locations

- Webinar

- Engagement of Instructional units
- Clarification of E-learning contents
- Enquiries of learning
- Clarifications of Assignments

Learning Journey



Learning Journey – Year 1: Full Time

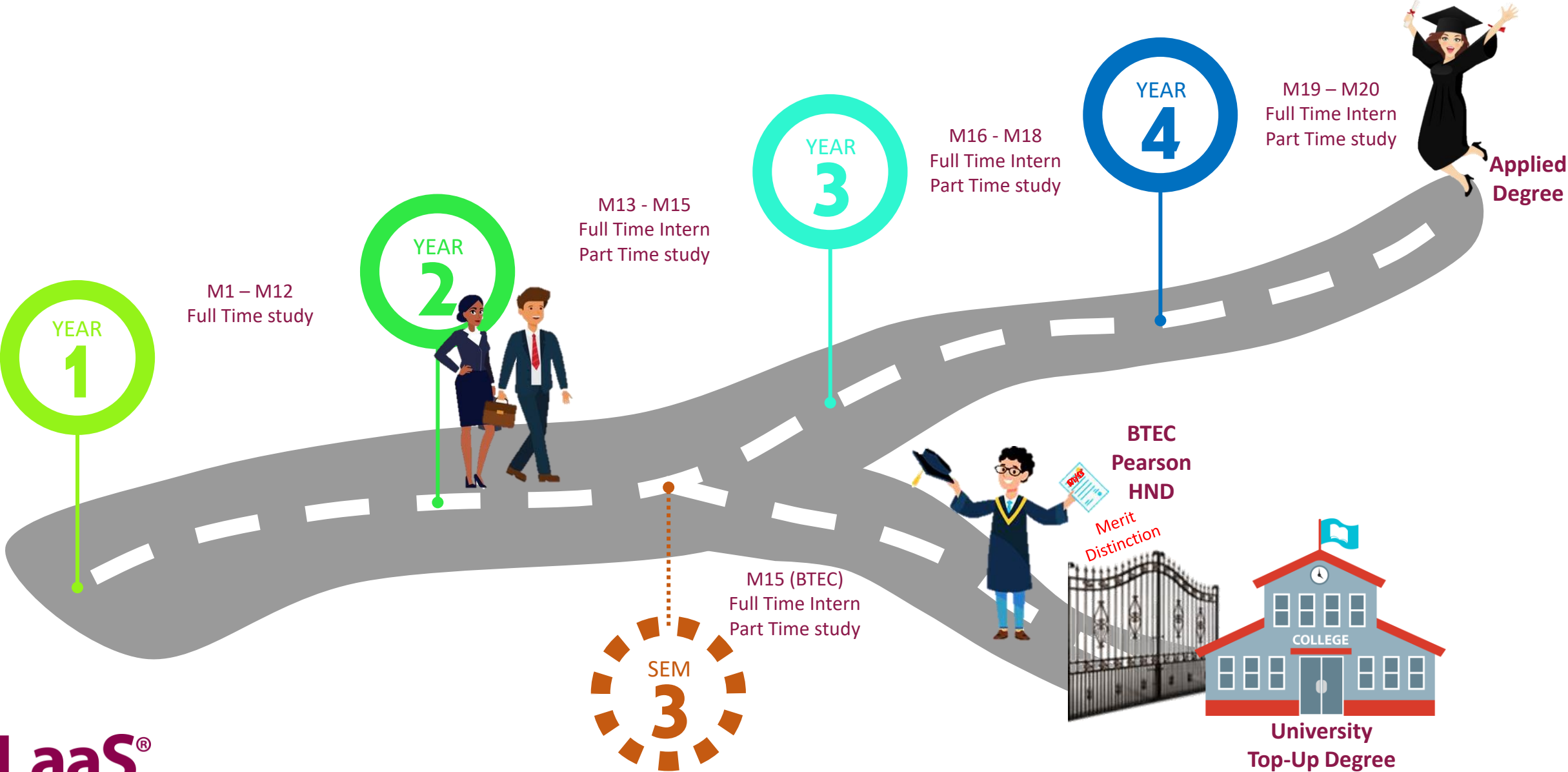
S. No	Modules	EL	FC	AS	PM	PI	SA	GLH
Year 1 - Semester 1								
1	Programming Foundations	15	12	18	6	12	0.5	63.5
2	Front-End Web Development	15	12	18	6	12	0.5	63.5
3	UI Frameworks	15	12	18	6	12	0.5	63.5
4	Database Design and Implementation	15	12	18	6	12	0.5	63.5
5	Web Development Foundations	15	15	30	6	24	0.5	90.5
Year 1 - Semester 2								
6	Web Development using Platforms	15	15	30	6	24	0.5	90.5
7	Application Development & Processes	15	15	30	6	24	0.5	90.5
8	Application Integration	15	15	30	6	24	0.5	90.5
9	Develop Enterprise Applications	15	15	30	6	24	0.5	90.5
Year 1 - Semester 3								
10	Application Implementation (Agile)	15	15	15	0	0	0	45.0
11	Capstone Project - Web Development	0	0	0	30	120	0.5	150.5
12	Capstone Project - Application Development	0	0	0	30	120	1.0	151.0
	Total	150	138	237	114	408	6	1041

EL – E-Learning, FC-Flipped Class, AS-Assignment, PM-Project Mentoring, PI-Project Implementation, SA – Summative Assessment, GLH – Guided Learning Hours

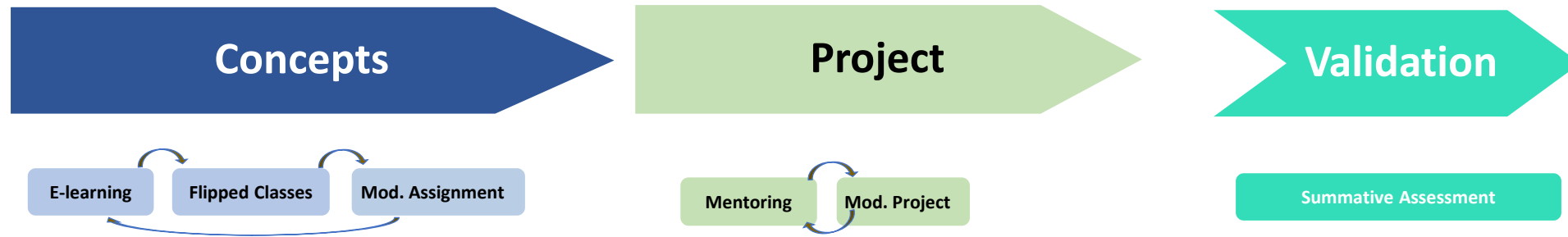
Learning Journey – Year 2 to 4: Part Time

S. No	Modules	EL	FC	AS	PM	PI	GLH
Year 2 - Semester 3							
13	IT Systems & Networks	15	15	30	0	0	60
14	IT Security	15	15	30	0	0	60
Year 2 - Semester 4							
15	Data Science Essentials	15	15	30	0	0	60
Year 3 - Semester 5							
16	Python Programming for AI	15	15	30	0	0	60
17	Machine Learning	15	15	30	0	0	60
Year 3 - Semester 6							
18	Deep Learning	15	15	30	0	0	60
Year 4 - Semester 7							
19	Reinforcement Learning	15	15	30	0	0	60
Year 4 - Semester 8							
20	Capstone Project -AI	0	0	0	30	90	120

Learning Journey

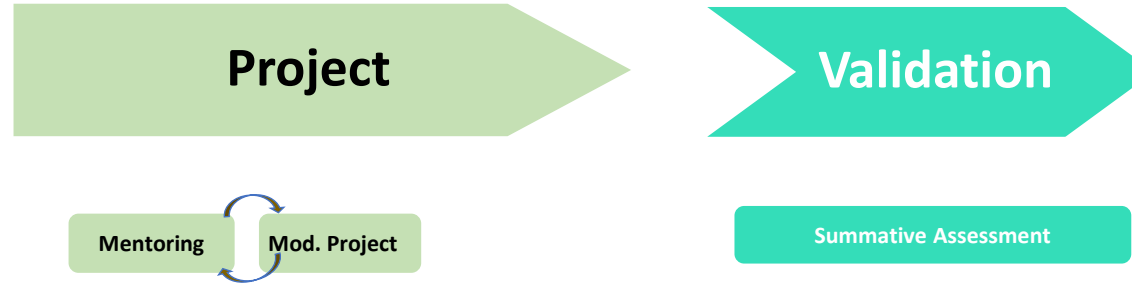


Learning Journey (Non-Capstone Modules)



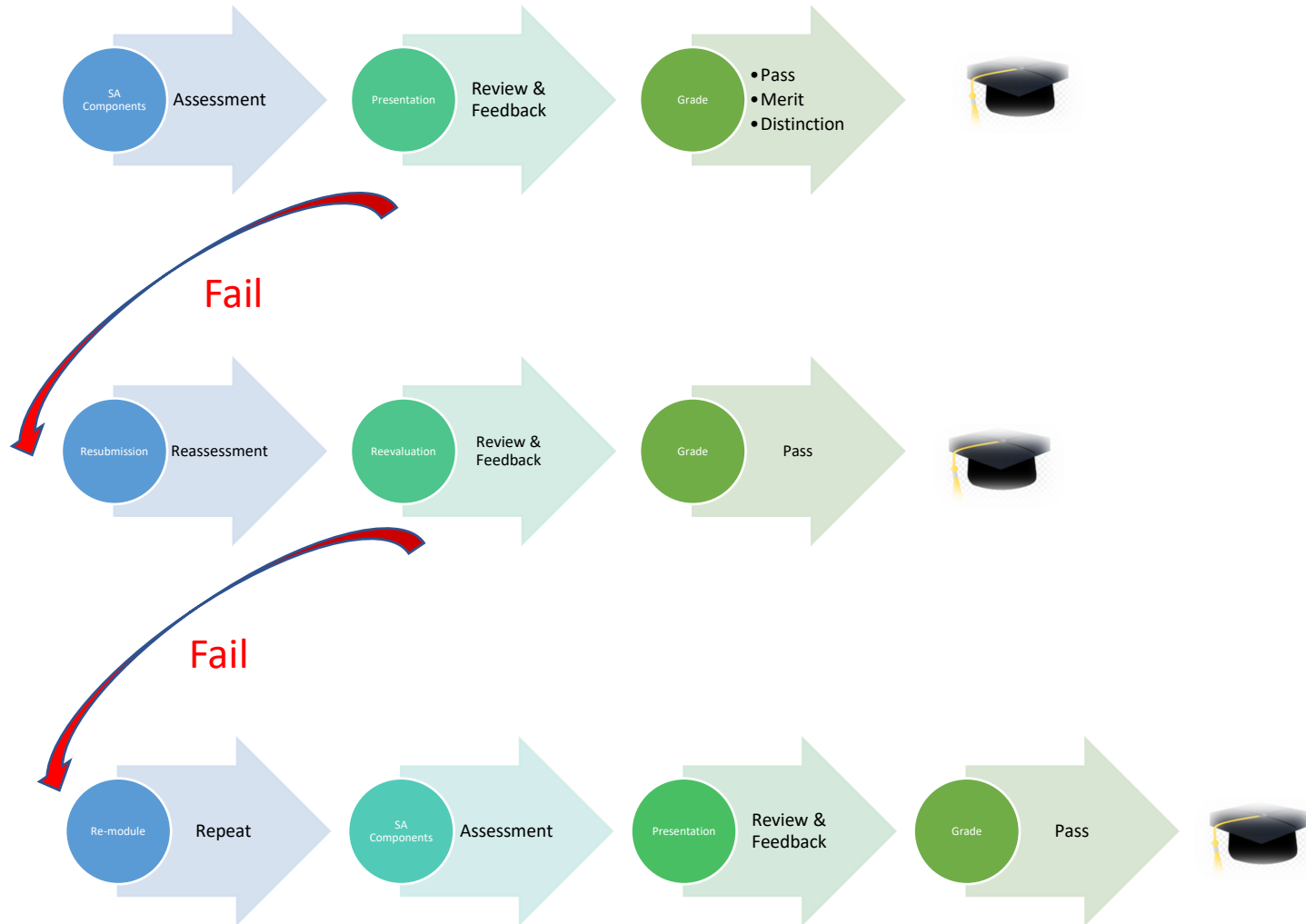
Class Type	Medium
E-Learning	F2F/ Online Synchronous
Flipped Class	Live Streaming
Module Assignment	Live Streaming
Project Mentoring	Live Streaming
Project Implementation	F2F/ Online Synchronous
Additional Practice	F2F/ Online Synchronous
Summative Assessment	Online Synchronous

Learning Journey (Capstone Modules)



Class Type	Medium
Project Mentoring	Live Streaming
Project Implementation	F2F / Online Synchronous
Additional Practice	F2F/ Online Synchronous
Summative Assessment	Online Synchronous

Assessments and Grade



Applied Degree

Marks	Grade Codes	Details
75%-100%	D	Distinction
60%-74%	M	Merit
50%-59%	P	Pass
0%-49%	N	Fail

BTEC Level 5 Higher Nationals Diploma in Computing (Applications Development and Testing)

	Assessment Criteria		
Grades	Pass	Merit	Distinction
Pass	X		
Merit	X	X	
Distinction	X	X	X

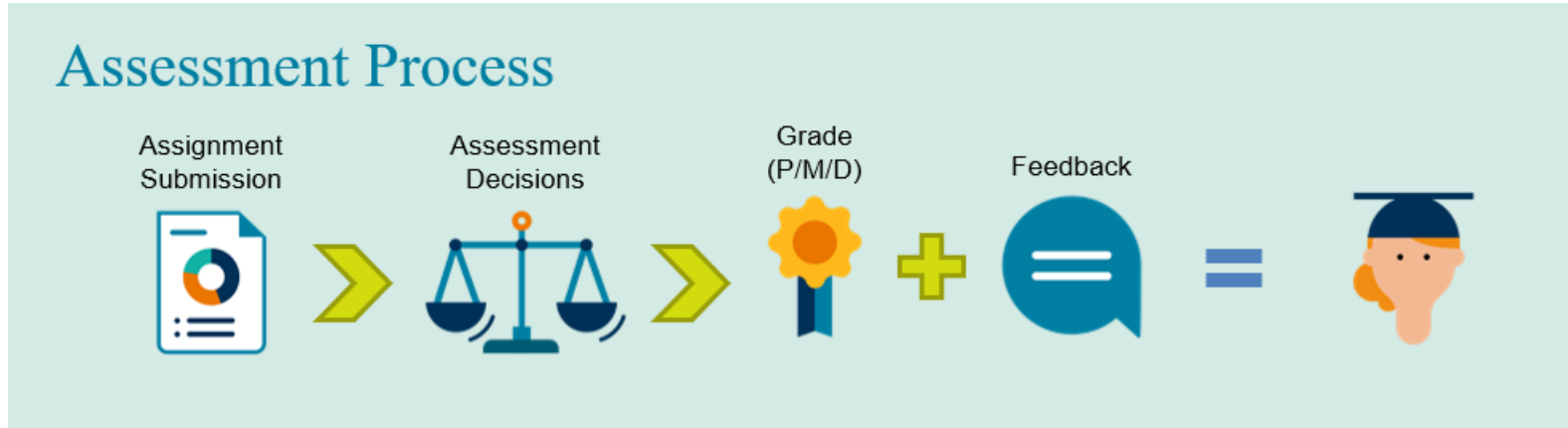
Securing merit grade is the gateway for you to continue with Top up degree at UK universities



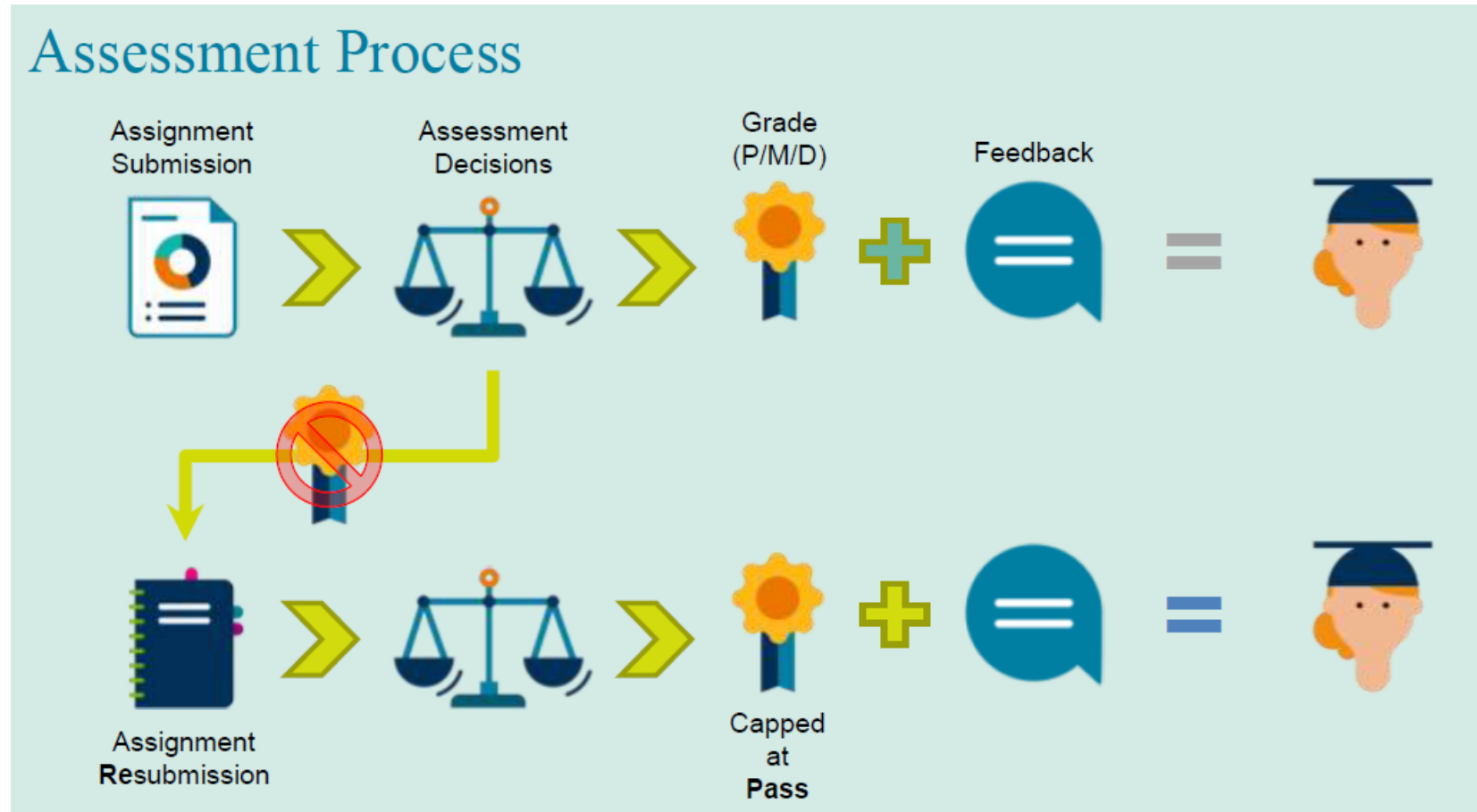
Pearson
BTEC

Approved Center

BTEC Assessment Process



BTEC Assessment Decisions – Unclassified Result



BTEC Re-assessment Process

Re-assessment

- A student who, for the **first assessment** opportunity, has **failed to achieve a Pass** for the unit shall be expected to undertake re-assessment:
 - **one opportunity for re-assessment of the unit** will be permitted.
 - Re-assessment for course work, project or portfolio based assessments shall normally involve the reworking of the original task.
 - For examinations, re-assessment shall involve completion of a new task.
 - A student who **undertakes a re-assessment will have their grade capped at a Pass** for that unit.
 - Decisions and results be ratified and recorded at assessment board

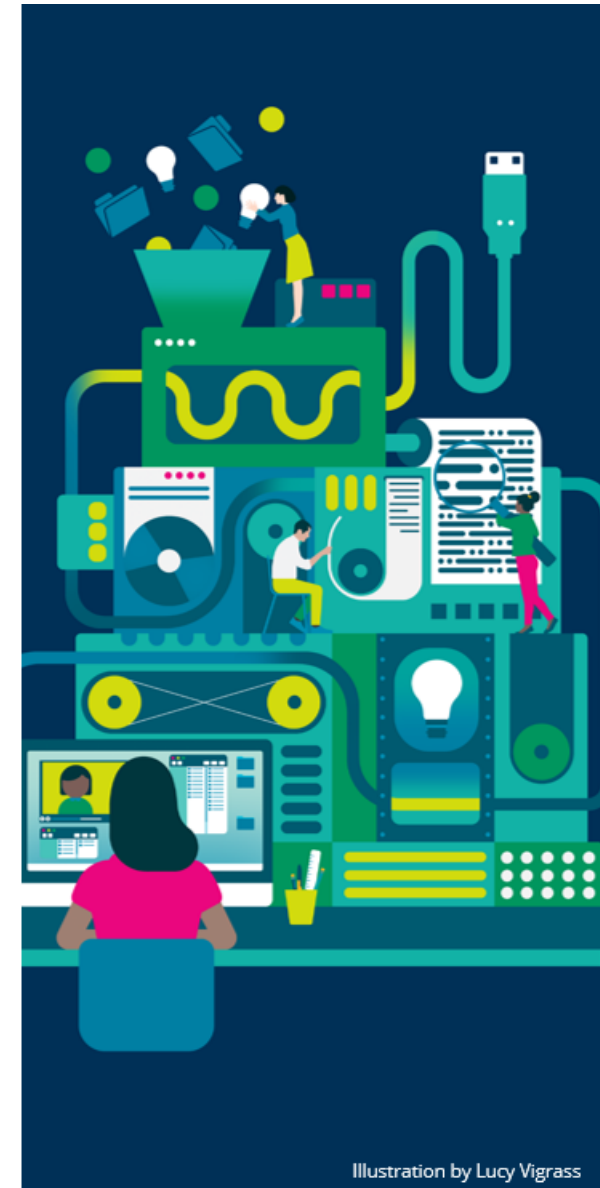
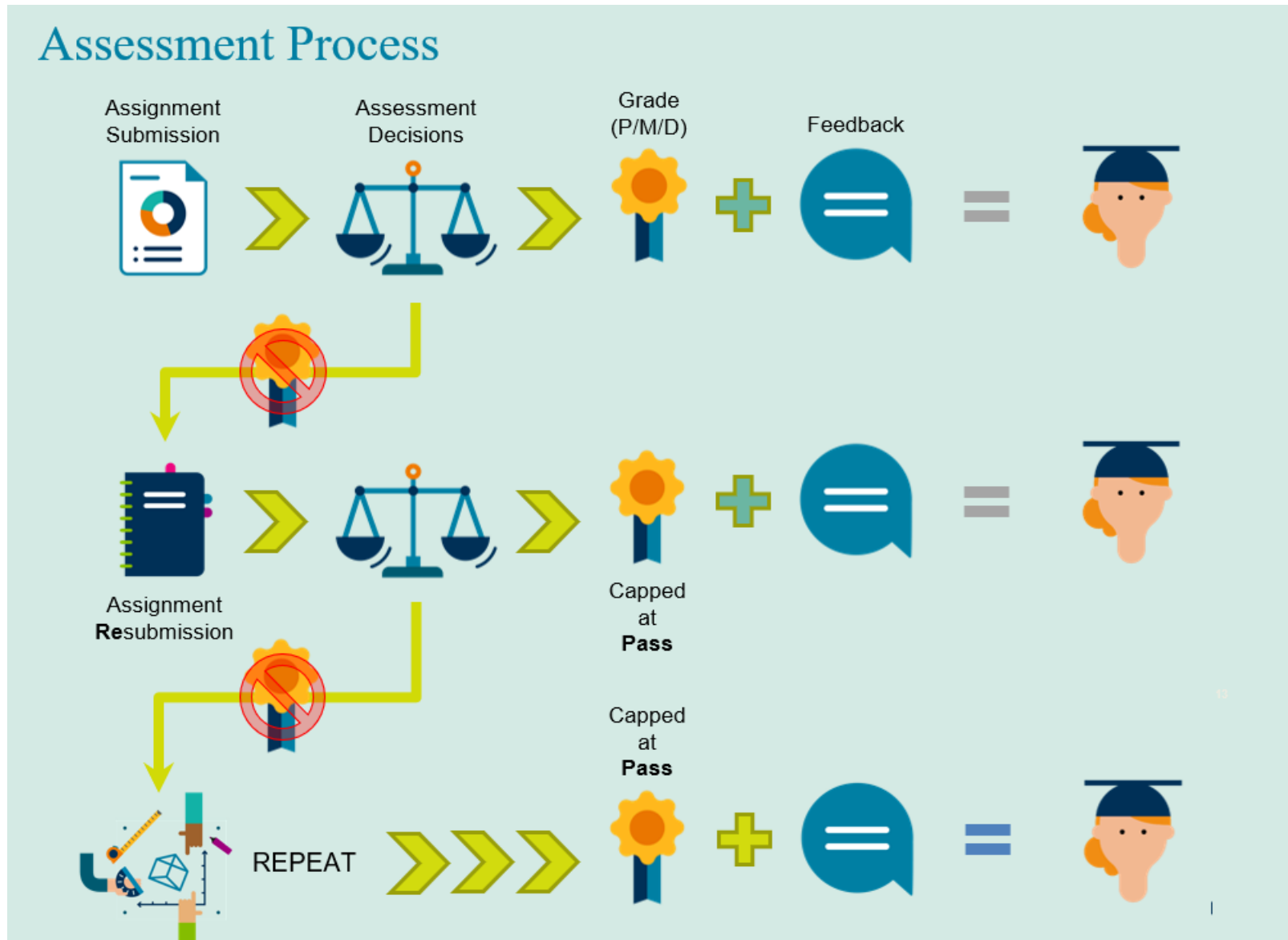


Illustration by Lucy Vigrass

BTEC Assessment Process (Re-Submission)



Learner Roles



Attend Course Orientation

- Attend the Course Orientation Session conducted by Facilitator / Mentor
- Understand the Instructional Units and Session Plan
- Understand how LMS works and ensure that a LMS login is allocated to you
- Understand the learning components listed as below

#	Learning Activities	Delivery Mode	Support Mode	Schedule Type
1	E-learning	F2F /online Synchronous	Support by On-campus mentor	Published Schedule
2	Flipped Class	Live Streaming	Instructor/ Lithan Singapore	Published Schedule
3	Assignment	Live Streaming	Lead Mentor/ Lithan Singapore	Published Schedule
4	Project Mentoring	Live Streaming	Instructor/ Lithan Singapore	Published Schedule
5	Project Implementation	F2F /online Synchronous	Support by On-campus mentor	Published Schedule
6	Additional Practice with Mentoring Support	F2F /online Synchronous	Support by On-campus mentor	Published Schedule
7	Summative Assessment	F2F /online Synchronous	Online Synchronous by Assessor/ Lithan Singapore	Published Schedule

Perform e-learning & MCQ Assessments

- Engage in Self-directed (online synchronous) learning using the e-content for each Instructional Unit
- Access the e-content anytime and anywhere where secure internet is available
- Ensure the relevant e-Learning is completed before the flipped class
- Seek support through LMS as and when required
- Complete all MCQs
- It is part of the formative assessment
- Securing **70%** score in each MCQ is mandatory to appear for summative assessment

Attend Flipped Classes

- Attend the live streaming, flipped class session without fail
- Read the material slides if it is available
- Note down your questions you wish to clarify with your Instructor
- Clarify your understanding with the instructor
- Ask the relevant questions
- Seek guidance from instructor to perform your assignments

Perform Assignments

- Apply the knowledge gained through e-learning and flipped class
- Consult the mentor for the clarification to complete your assignments
- Submit your assignments as part of the formative assessment
- Securing **70%** marks in all Assignments/ Mini Projects is mandatory to appear for summative assessment

Attend Project Mentoring

- Ensure to complete all your MCQs and Assignments to enable you to progress to project mentoring session
- Attend the live streaming, project mentoring session without fail
- Understand the project brief
- Clarify on the tasks to be performed
- Understand and Clarify the report and presentation slides templates provided

Implement a Project

- Implement a Project in accordance with the project brief and the input from the mentor during the mentoring session
- Implement the project from anywhere you have secure internet connection
- Take advantage of on-campus support and perform your assignments
- Present project milestone to a mentor, who reviews the deliverable related to the project and shares critical feedback.
- Incorporate the feedback into your work
- Complete the project report and presentation slides
- Submit all project evidences (report, presentation and source code) through LMS, two days prior to your scheduled summative assessment date

Perform Additional Practice

- Apply the knowledge gained through e-learning and flipped class
- Consult the mentor for the clarification to complete your assignments and projects
- Utilize the session to catch up and clear the pending formative and summative assessment tasks

Perform Summative Assessment (Non-BTEC)

- Ensure the submission of Project Report, Project Presentation and Project Prototype before appearing for the assessment
- During the Summative Assessment, you shall perform the following:
 - Present the Project Presentation/ Assignment
 - Explain the Project/Assignment Report
 - Demonstrate the Project Prototype / Demo the application
 - Answer all the queries of the assessor
- Demonstrate your understanding and skills during the assessment in accordance with the assessment criteria
- Get the review and feedback from the Assessor
- Get your results within a week after the assessment

Perform Summative Assessment (BTEC)

- Ensure the submission of BTEC assignments and source codes before appearing for the assessment
- During the Summative Assessment, you shall perform the following:
 - Present the Project Presentation/ Assignment
 - Explain the Project/Assignment Report
 - Demonstrate the Project Prototype / Demo the application
 - Answer all the queries of the assessor
- Demonstrate your understanding and skills during the assessment in accordance with the Grading Descriptors.
- Refer to Unit guide and Assignment Brief for the Learning outcomes and the Assessment Criteria
- Get the review and feedback from the Assessor
- Get your results within 2 weeks after the assessment

Use Collaboration Tools

- MS Teams
 - *Post queries to fellow learners and facilitator / mentor*
 - *Discuss topics related to the course with your peers or facilitator / mentor*
 - *Seek support from faculty and interact with the facilitator / mentor*

Assessment Details



Assessment Details (Non-Capstone Modules)

▪Formative Assessments

- To ensure that learners are continuously learning. The score will not contribute to the module (unit) grade. But the learner should score 70% to qualify for summative assessments. Learners can make a maximum of 4 attempts to attain 70%.

▪Summative Assessments

- To ensure that learners have achieved the competency in all assessment criteria / grading descriptor, followed by Review & Feedback session.
- Learners can make only 2 attempts (assessment + re-submission) to attain the competency, after which they have to attend the module (unit) again.

Assessment Details (Capstone Modules)

▪Formative Assessments

- Not Applicable

▪Summative Assessments

- To ensure that learners have achieved the competency in all assessment criteria / grading descriptor, followed by Review & Feedback session.
- Learners can make only 2 attempts (assessment + re-submission) to attain the competency, after which they have to attend the module (unit) again.

Summative Assessments (Non-Capstone modules)

Assessment method	Weightage to the module total score	Details
MCQ	30%	<ul style="list-style-type: none">• Learner must take the MCQ during the scheduled 30 minutes session before the end of the module.• Learner must score a minimum 50% to attain the pass grade• Learners will be given 1 attempt to answer the questions
Assignment	60%	<ul style="list-style-type: none">• Learner needs to perform the graded assignment as part of summative assessment• Graded assignment brief will be released in the 2nd week of the module• Learner must score a minimum 50% to attain the pass grade in this graded assignment• Learners will be given 1 attempt to submit the assignments
Presentation	10%	<ul style="list-style-type: none">• At the end of each module• 15 mins on the scheduled dates• Assessor : Learner ratio is 1:1
Review & Feedback		<ul style="list-style-type: none">• At the end of each module on the same day after presentation – 15 mins.• The assessor reviews the Assignments and Presentation and provides feedback individually to each of the learners. The assessor may ask questions to address any gaps identified in the assessments and record the results in each of the Learner's "Assessment Record" for the module.• Assessor : Learner ratio is 1:1

Summative Assessments (Capstone modules)

Assessment method	Weightage to the module total score	Details
Project report	70%	<ul style="list-style-type: none">• Executing the project through – Project mentoring and project implementation sessions• Report – Self paced
Project Presentation	30%	<ul style="list-style-type: none">• At the end of each module• 15 mins on the scheduled dates• Assessor : Learner ratio is 1:1
Review & Feedback		<ul style="list-style-type: none">• At the end of each module on the same day after presentation – 15 mins.• Review of project report & presentation with each learner• Assessor : Learner ratio is 1:1• The assessor reviews the Assignments and Presentation and provides feedback individually to each of the learners. The assessor may ask questions to address any gaps identified in the assessments and record the results in each of the Learner's "Assessment Record" for the module.

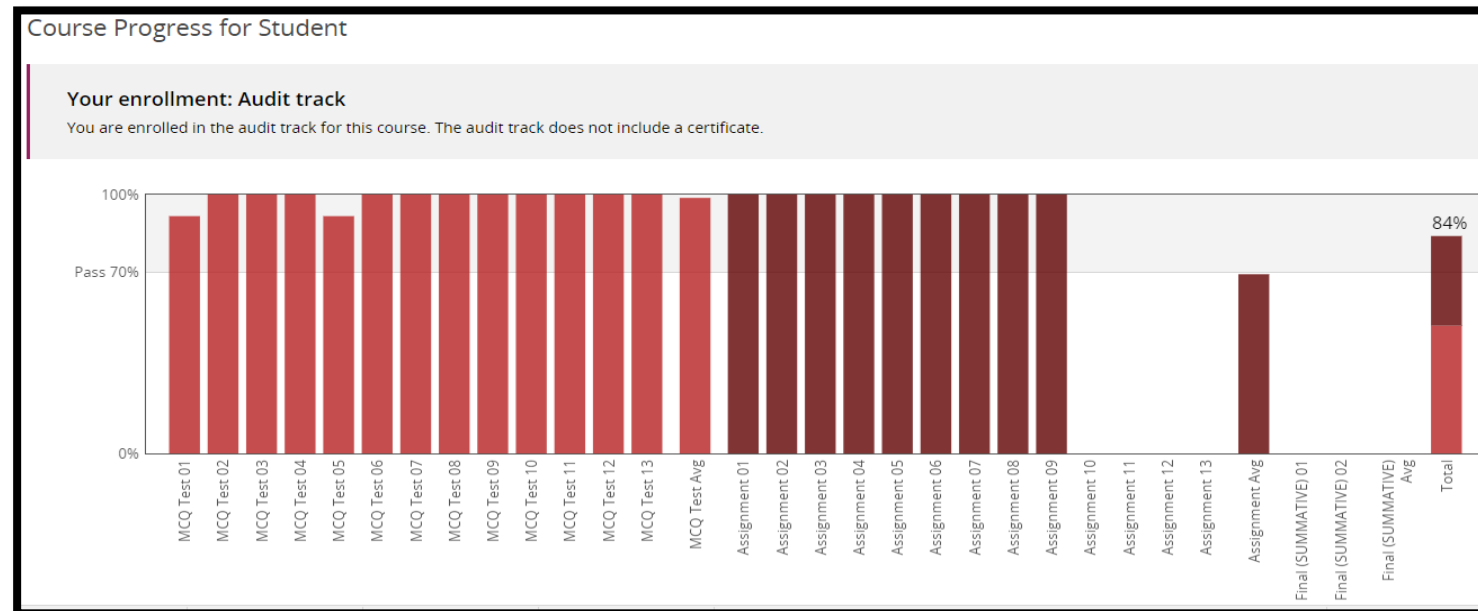
Your Progress



Compulsory Requirements

How to be eligible to sit for your final assessment?

1. Meet the mandatory **90%** attendance requirements in all the learning components together. Attendance are calculated as below:
 - Live Streaming - Flipped class, Assignment, and Project Mentoring sessions.
 - F2F/ Online Synchronous - E learning, Project Implementation, and Additional Practice
 - ***Note: It is mandatory for all learners to switch on their cameras during session. Failing which, the learner will be marked absent for the session***
2. Score 70% in each of the MCQ and Assignments



Feedback on your Learning Journey (Compulsory)

Students need to complete the feedback on your progress in the following areas.

CONTENT, FACULTY, SUPPORT, DURATION, UNDERSTANDING

1 End of Course/Module Survey

Know Your Faculty



Know Your Faculty

Learning Facilitators/ Instructors

- Deliver Flipped Classes and Project mentoring
- Help you understand the concepts of modules
- Support you while doing assignments

Lead Mentors/ Mentors

- Present in all Mentoring sessions for Assignments, E-Learning, Additional Practice, and Project Implementation
- Support and guide you while you perform assignments and module projects
- Assess the formative assessments

Assessors

- Review project/ assignment report
- Assess the summative assessment documents
- Conduct review & feedback session
- Declare the results

Learning Management System & Training Resources



System Configuration

Basic Hardware Configuration:

Processor – Minimum i5; Recommended i7

Memory – Minimum 8GB; Recommended 16GB

Operating System – MS Windows 10 Home/Professional; Mac OS

Application

MS Office

Network & Internet configuration as per standard

Need Support?

Technical Support :

Monday to Friday - 9am to 6pm

System related queries

Mail to ITSupport@lithan.com CC to askwd@lithan.com

Subject related queries

Mail to askwd@lithan.com

In the subject indicate your module code.

Ex: Subject: **BDSE08-FED-1222-<YourName>-<Your problem description>**

Miscellaneous

- **Lab Assignment**
 - Use the downloaded lab assignments documents
 - Coding in text form and output in image form
 - Use snipping tool to cut the image
- **Notebook configuration**
 - Window 8 is fine for now
 - Mac users can have virtual window
- **Coding and encoding errors**
 - Don't be alarmed.
 - Correction work has been prioritized.
 - Small matter to experienced IT professionals.
 - Help is available from facilitators and mentors.

Thank you